



McLaughlin 10/015,798 response to 04/30/03 AU2878, Otelia Gabor

The invention claimed is:

1 [Amended]. A monitoring device useful in seeking to retrieve a lost item, said lost item having a hologram attributable to surface components selectively responsive to a laser beam having an explicit wave length selected from the atmospheric-penetrating identifying group consisting of 880 nm, 1310 nm, and 1550 nm, said monitoring device comprising:

a source of electric power;

means actuated by said electrical power for generating a laser beam having a wavelength [[corresponding to]] matching the wavelength for which said components are selectively responsive [[said laser beam]];

receptor cells responsive to the feedback light from said laser beam;

amplifier means amplifying the electrical signal generated by said feedback when the laser beam scans a search zone possibly containing such temporarily lost item; and

indicating means alerting a searcher to the varying intenseity of such feedback when the laser beam scans a search zone possibly containing such temporarily lost item.

Claim page one

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2.[original] The monitoring means of claim 1 in which the indicating means features an audio signal.

3. [original]The monitoring means of claim 1 in which the laser beam has a wavelength of 1310 nm.

Claims page two

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4 [new] A method of seeking to retrieve an item that potentially might become temporarily lost which method comprises:

imparting to an outer surface of said item a hologram by depositing thereon components selectively responsive to a laser beam having an explicit wavelength selected from the atmospheric-penetrating identifying group of wavelengths consisting of 880 nm, 1310 nm, and 1550 nm;

directing from a monitoring device controlled by the searcher and initially remote from said temporarily lost item a laser beam having the explicit wavelength corresponding to the wavelength for which said hologram is selectively responsive, said laser beam being directed into a search zone in which the temporarily lost item is believed to be, and said laser beam stimulating the reflection from such components of feedback light;

said monitoring device comprising receptor cells responsive to such feedback light, such receptor cells generating an electric signal;

said monitoring device comprising amplifying means for amplifying such electric signal;

said monitoring device comprising indicating means actuated by such amplifying means for alerting the searcher to the varying intensity of such indicating means when the laser beam scans a search zone possibly containing such temporarily lost item.

Claim pg three

5. [new] The method of claim 4 for locating a temporarily lost item in which the hologram is responsive to a laser beam having a wavelength identified as the atmospheric-penetrating wavelength of 1310 nm.

6. [new] The method of claim 4 in which the lost item is a launched experimental device.

7. [new] The method of claim 4 in which the lost item is a golf ball.

8. [new] An item having a hologramized badge selectively responsive to a laser beam having an atmospheric-penetrating identifying wavelengths selected from the group consisting of 880 nm, 1310 nm, and 1550 nm, such badge being useful in the method in which a laser beam matching such hologramized badge is directed into a searching zone, and the feedback light is monitored in an effort to locate the temporarily lost item.

9. [new] A golf ball of claim 8.